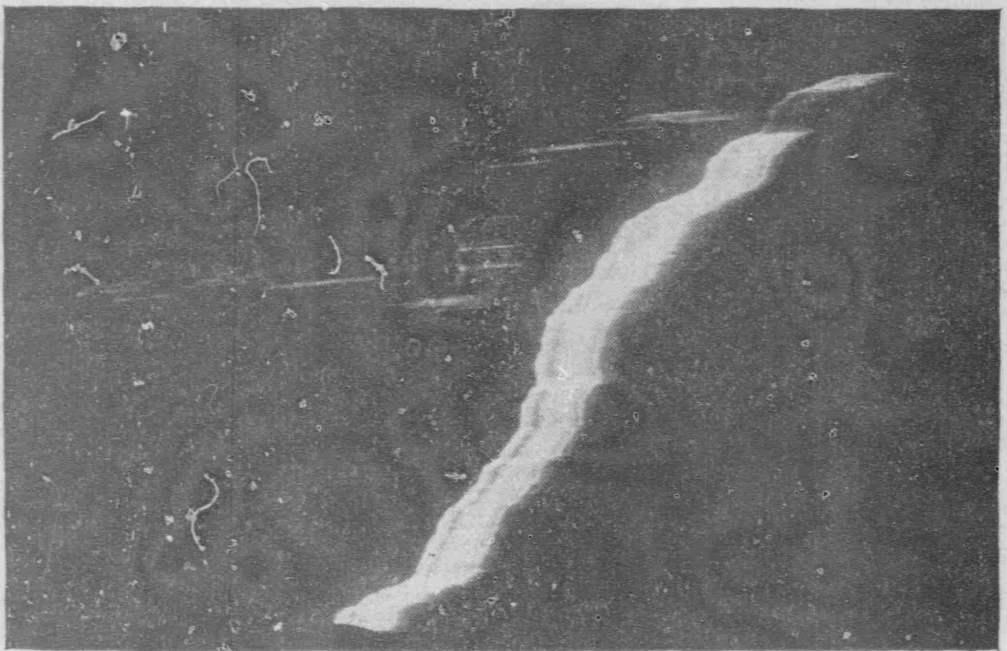


LIGHTNING CAUGHT  
BY THE CAMERA

THE FIRST successful experiments in photographing the spectrum of lightning—the divisions of color which combine to produce the white glare of the lightning flash and offer the physicist his opportunity to analyze the elements that compose it—were announced in a circular sent out by Professor E. C. Pickering, the director of the Harvard observatory.

The photographs were obtained at the observatory last summer with the same apparatus that is used in photographing the spectra of the stars, consisting of a big eight-inch or eleven-inch telescope with a camera at one end and a prism at the other, the latter being placed in front of the objective lens so as to break up the object photographed into parallel bands of color, which are seen in the photograph by differences in degree of black and white. The effect will be familiar to anyone who recalls the colored border produced by the pendant glass

prisms on old-fashioned lamps. Photographs of the spectrum of lightning, however, range only from yellow to blue, the extreme colors, violet at one end and red at the other, as seen in the rainbow, which is the spectrum of the sun, being impossible to record by the camera.

Photographing star spectra is, of course, nothing new at Harvard observatory, where stellar photography has been more fully developed, perhaps, than anywhere else, so that it may seem strange at first glance that the Harvard photographic telescopes should not have been earlier utilized in the study of lightning. The main difficulty lies in the fact that lightning is almost always accompanied by rain and that the rain interferes with the use of the telescope. Last summer, however, there were several opportunities "dry showers"—clouds and lightning without rain—a condition which made it possible to secure the much desired pictures.

The process by which the lightning spectrum has thus been finally captured, as described by Mr. King of the observatory, who directed the work, is not unlike that of taking a snapshot with a pocket camera, with the important exception that the apparatus is larger than the photographer. When the stars are photographed, this apparatus, sometimes weighing several tons, moves by clockwork, following the movement of the celestial bodies. The rate of speed, however, is a very small fraction faster than the star itself, in order that the star may "trail" somewhat in the photograph, thus producing a spectrum in which the colors are "spread out" more conveniently than if the stars were secured in a seemingly stationary position.

Lightning is an obviously different matter. Where the flash will come can only be guessed at, and the instrument is controlled, therefore, not by clockwork and electrical attachments, but by the hand of the operator. The flash itself, once it comes in the field of the telescope, is an automatic, or natural, flash light.

The situation, however, is further complicated by the fact that the prism refracts the lightning—that is to say, the lightning enters and leaves the prism at an angle—and the telescope must be aimed not at the flash but a certain number of degrees, according to the prism in use, to one side of it. There is, of course, no possibility of a time exposure, and the success of the photograph depends upon the good luck as well as the good judgment of the man behind the telescope.

## Reversed McKinley's Policy.

(New York World.)  
Mr. Bidwell's public service was so satisfactory to President McKinley that he reappointed him. President Roosevelt, without giving or even intimating any reason, has reversed Mr. McKinley.

## Why Suffer With Headache.

When one dose of Sherman's Headache Cure will rid you of it? They are instantaneous in their effect, and perfectly harmless. Keep a box in the house for emergencies. They cure neuralgia, 25c and 50c a box. For sale by Godde-Pitts Drug Company.

## HOLIDAY PRESENTS.

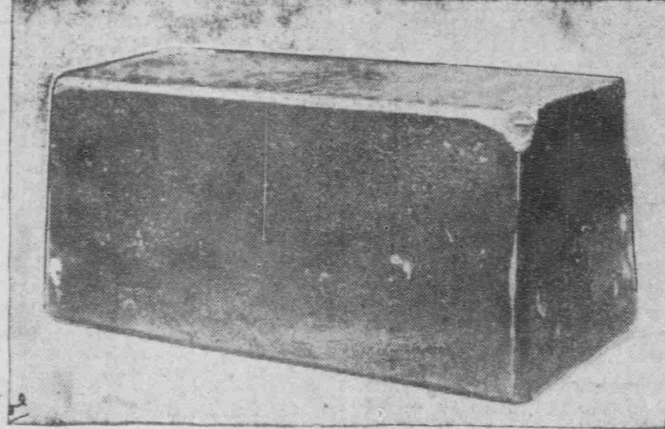
Special Sale This Month.  
What would be a more appropriate holiday present than a beautiful Oriental Rug, or some Oriental curiosities? Call and see them at 25 East First South. C. T. Jasson & Co.

## Open Evenings.

McConahay-Sharp Jewelry Co.,  
41 West Second South.

## HISTORY OF A GOLD BRICK.

Salt Lake Broker Has the Piece of Brass For Which an Idaho Banker Paid \$8,000—Was Sent to Salt Lake to Be Cashed In.



PHOTOGRAPH OF THE BRICK.  
Showing the hole bored in the end and the chipped corner.  
(Photo by Fries.)

PEACEFULLY REPOSING on the desk of James A. Pollock is an object lesson of the fallibility of human wisdom and the gullibility of even bankers. This object lesson is about ten inches long and four inches high. It was once sold for \$8,000, "marked down from \$15,000." It was represented to be of gold—but it was not—and thereby hangs the tale.

A few years ago there was a prosperous bank in an Idaho town. It did a good business with merchants, stockmen, ranchers and mining men, and the last named class was so plentiful in the vicinity that the banker did not become at all suspicious when a couple of men dressed as miners came in to him with a brick which they offered for sale.

"We have been mining out in the mountains," they said, "and this represents our season's cleanup. We need the money right away, and so we are willing to sell it at a discount for cash. The brick is worth \$15,000, but we will let you have it for \$14,000."

The banker began to parley with

the men. They appeared to be extremely anxious for money and he sought to "squeeze" them. Finally he agreed to pay \$8,000 for the brick if the assays showed it to be genuine gold.

The vendors and the purchaser adjourned to a second-story room and there began to bore the brick to secure the material for the assay. One of the miners sat in the front window, while the other, watched by the banker, bored a hole in the end and the bottom and took a chip off one corner, depositing the filings on slips of paper.

The banker watched closely to make sure that everything was all right. Suddenly there were heard in the street in front yells and the sounds of shots. Two men came riding up the street, shooting, apparently at each other, and shouting at the top of their voices. The banker, fearing an attempt was being made to rob his bank, rushed to the front window. The men in the street fired a few more shots and then disappeared. The banker returned to the brick. He did not see that the filings from the brick had been deftly exchanged for genuine

gold dust. He knew, however, that the assays showed the gold to be almost pure. So he paid the \$8,000 and the men disappeared.

The banker sent the brick down to McCormick & Co. in Salt Lake to be cashed. It was assayed here. The brick was of brass, and the Idaho banker was so informed. He thus gained sadness and wisdom.

Mr. Pollock secured the brick from the bank for exhibition when the mining congress met in Salt Lake, and he has been its possessor ever since, except when practical jokers have borrowed it in usually futile attempts to "gold-brick" their friends.

## Why the Drum Was Silent.

(Baltimore Sun.)

Here is a delicious story of the war times that has an unmistakable air of freshness and human interest.

The torn and tattered remnant of a confederate regiment one day toward the close of the war was lined up by its colonel and told that the commanding general was to pay a "visit of inspection" on the following day. The soldiers were admonished to "do their best."

"Just brace up as though your clothes were brand new uniforms and as though you had the best on earth to eat and plenty of it. We haven't any bugle left, but Smith there has got a drum, and it's a plumb line one—big as a barrel. Now, Smith, when I give you the word tomorrow you let her go for all she's worth."

Thus spoke the colonel.

The next day came the general to "inspect" the poor half-starved fighters and as he appeared in the distance the colonel gave order to "line up." As the commanding officer drew near the colonel shouted: "Now, Smith, let her go!" and turned to salute the general.

But not a note came from the big barrel drum.

The colonel, red in the face, turned toward the drummer and again shouted "order for music."

But still the drum remained as mute as the harp of Tara Hall fame.

Infuriated at this open disobedience of orders and in the presence of his commanding officer, too, the colonel rode down the line, and as he reached the refractory drummer, cried out: "Say, Smith, what in — and — do you mean by not beating that blankety-blank drum?"

"I can't, colonel," whispered Smith. "The old drum is full of chickens, and half of 'em are for you."

The colonel paused but a moment before he shouted so that the general and the soldiers might hear: "All right, Smith, but if you were too sick to play the drum, why in thunder didn't you say so?"

## A Few Pointers.

The recent statistics of the number of deaths show that the large majority die with consumption. This disease may commence with an apparently harmless cough which can be cured instantly by Kemp's Balsam for the Throat and Lungs, which is guaranteed to cure and relieve all cases. Price, 25c and 50c. Trial size free. For sale by Godde-Pitts Drug Company.

COLLECT GREEN TRADING STAMPS. Don't forget to ask for them.

## F. M. Teets' Bargain Store.

52 and 54 South Main Street.

## The Cheapest Store in the West.

Compare these Prices with what You Pay Elsewhere.

Notions.	Hardware Bargains.	Ladies' Wrappers and Waists.	Shoes.	Dry Goods Specials	Tinware and Graniteware	Bargains for the Kitchen
Sharp's English Needles, per spool 1c	18-inch Hand Saws 25c	Good Heavy Flannelette Wrappers 75c	Ladies' Shoes from 75c up	Yard Wide L. L. Factory 4c	WE SELL TIN AND GRANITEWARE LOWER THAN ANY HOUSE IN UTAH.	Tea Strainers 1c
2 doz. f. Hooks and Eyes 1c	26-inch Solid Steel Hand Saws 45c & up	Nicely trimmed Flannelette Wrappers, with flounce 98c and up	Ladies' good Solid Dongola Shoes, in lace or button \$1.25	Best Indigo Blue Calico 5c	Tin Cups, only 2c	Best Egg Whips 1c
15 Hair Pins for 1c	Full size Nail Hammers 10c	Good Flannelette Waists 45c	OUR LADIES' \$1.75 SHOE IS THE KIND YOU PAY \$2.00 FOR ELSEWHERE.	Good Outing Flannel 4c	Graduated Quart Measures 5c	Can Openers 2c
Hair Curlers 2c	Solid Steel Nail Hammers 40c	A beautiful line of Flannelette Waists 65, 75 and 98c	Men's Heavy Kip Working Shoes, only 98c	BLANKETS FROM 48c up	Bread Pans 5c	Potato Mashers 2c
Kid Hair Curlers 3c	Tack Hammers 4 & 5c	ALL WOOL TRICOT WAISTS WORTH \$2.00, FOR ONLY 98c	CHILDREN'S SHOES AT A BARGAIN.	COMFORTS FROM 75c up	Tin Wash Basins 3 & 5c	Pancake Turners 3c
Good Safety Pins, per dozen 2c	Pad Locks 5c up	SHIRTS, as good as made—\$2.50, \$3.50 and \$4.50	LEVI STRAUSS OVERALLS 60c	6 yards Baby Ribbon for 5c	Tin Coffee Pots 10c	Dever Egg Beaters, best made 8c
6 rolls White Tape for 5c	Brass Pad Locks 10c & up	ALL OF OUR LADIES' JACKETS AND CAPES TO GO AT A BIG BARGAIN.	Men's Suits from \$3.00 up	Baby Ribbon, per bolt of 50 yards 35c	Tin Tea Kettles 15c	Steel Fire Shovels 4c
Ceats' Darning Cotton, per spool 2c	Door Knob Locks 35c		Boys' Suits from 75c up	NO. 5 ALL SILK TAFFETA RIBBON, bolt 45c	10-quart Water Pails 15c	NO. 2 LAMP CHIMNEYS 5c
Kings' Machine Thread 2c	Cast Hatchets 15c			NO. 7 All Silk Taffeta Ribbon, per bolt 55c	Dish Pans 15c	Frying Pans 5c up
Money Purses 5c	Solid Steel Hatchets 35c, 45c & 50c			All other in proportion.	GRANITE CUPS 5c	Parling Knives 3c
Ladies' Purses 10c, 25c & up	Hand Axes 48c				Granite Tea Kettles 25c, 45c & 70c	Tack Pullers 3c
Wire Hair Brushes 8c	Keyhole Saws 15c				Granite Dish Pans 30c	Hat Racks 10c
Cloth Brushes 10c, 15c, 25c & up	Cobblers' Outfit 75c, 85c and up				GRANITE PIE PLATES 5c	Machine Oil Cans 5c
Hair Brushes from 8c up	Table Knives and Forks 45c, 75, 98c and up				TIN PIE PLATES 2c	
PURE WHITE BRISTLE HAIR BRUSHES, THE 40c KIND, FOR 25c	Good Plated Teaspoons, set 9c				Tin Muffin Pans 8c	
	Tin Teaspoons, per set 3c					
Shoe Brushes 10c & up						
Shoe Blacking 2c						
Shoe Polish 8c						
Scrubbing Brushes 5c						
Carpet Tacks, any size, per box 1c						
Face Powder 5c						
Good Vaseline 5c						
BEST SEWING MACHINE OIL 4c						

Come and Look Through, Whether You Want to Buy or Not.

Remember the Place, **TEETS'**, 52 and 54 Main Street.